

Attachment A-2
Biota Characterization

Characterization of Biota in Wildcat and Kokomo Creeks Near the Continental Steel Superfund Site

PREPARED FOR: USEPA Region 5
Remedial Project Manager

PREPARED BY: Mike Mischuk/CH2M HILL Task Manager
Dan Plomb/CH2M HILL Project Manager

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Introduction

A biological field investigation was conducted on Wildcat, Kokomo, and Little Deer Creeks between June 11 and 18, 2001. The purpose of the investigation was to provide biological and habitat quality information in support of the remediation of contaminated sediments in Wildcat and Kokomo Creeks near the Continental Steel Superfund Site (CSSS).

This study consisted of:

- General measurement of physical characteristics and water quality parameters, as well as habitat characteristics, to assist in the evaluation of biological data.
- Tissue sampling of fish and invertebrates to assist in determining potential bioaccumulation of contaminants of concern.
- Collection of aquatic vertebrates (fish) and invertebrates from Wildcat, Kokomo, and Little Deer Creeks (reference site for Kokomo Creek) to assess current community structure and attainment of designated aquatic life use.

The characterization was conducted in eight sampling reaches (Figures 1 through 4) as follows:

- **Reach CS2-IX01 (Wildcat Creek)** extends from the Dixon Street bridge downstream 1,500 feet (457 meters) to the second major riffle area. This reach is the furthest downstream sample area.
- **Reach CS2-IX02 (Wildcat Creek)** extends from the Dixon Street bridge upstream 2,100 feet (640 meters) to the railroad bridge adjacent to Shambaugh Run.
- **Reach CS2-IX03 (Wildcat Creek)** extends from the railroad bridge upstream 4,140 feet (1,262 meters) to its confluence with Kokomo Creek.
- **Reach CS2-IX04 (Kokomo Creek)** extends from the confluence with Wildcat Creek upstream in Kokomo Creek 3,000 feet (914 meters).
- **Reach CS2-IX05 (Wildcat Creek)** extends from the confluence with Kokomo Creek upstream 2,340 feet (713 meters) to the Markland Avenue bridge.